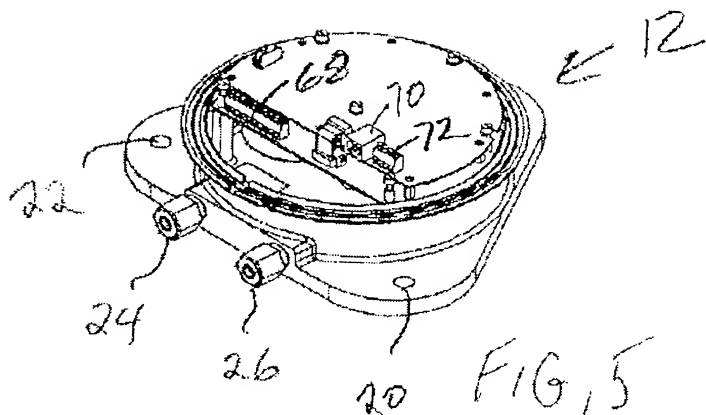


FIG. 4



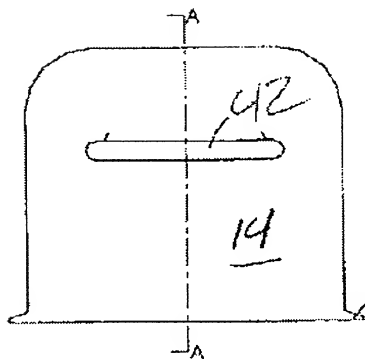
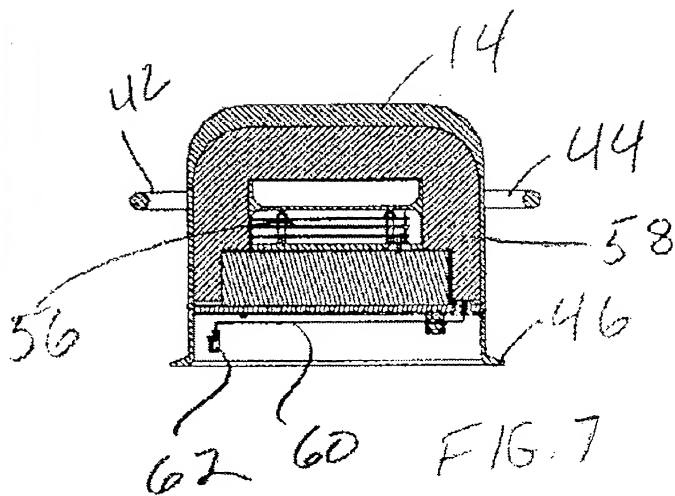


FIG. 6



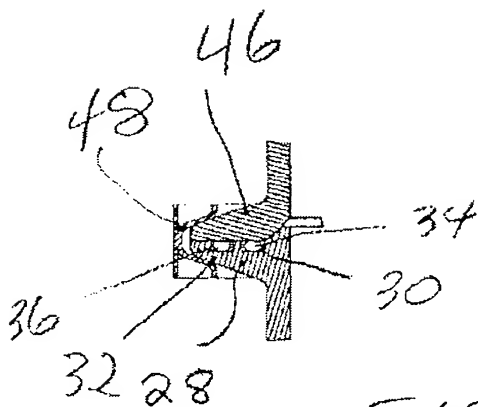
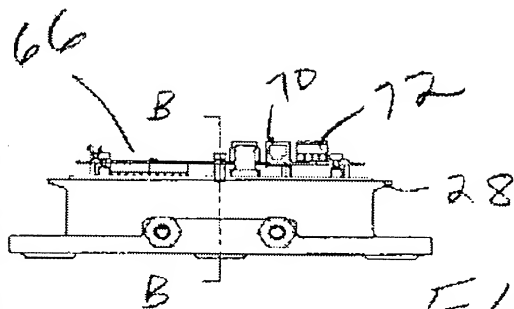


FIG. 8





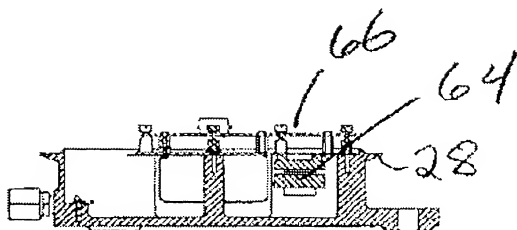
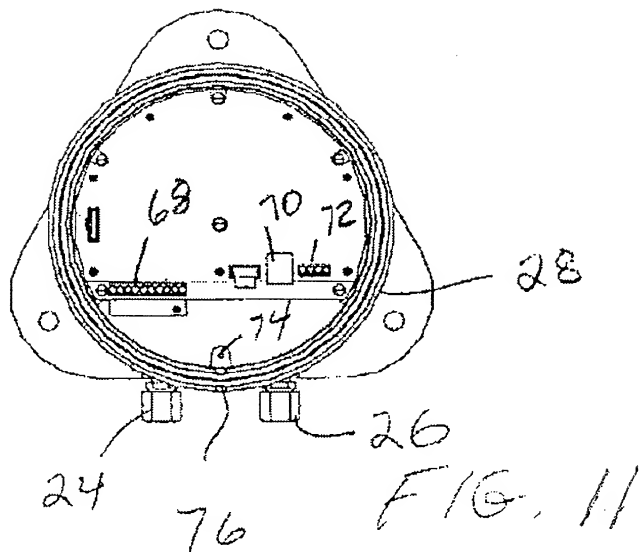


FIG. 10



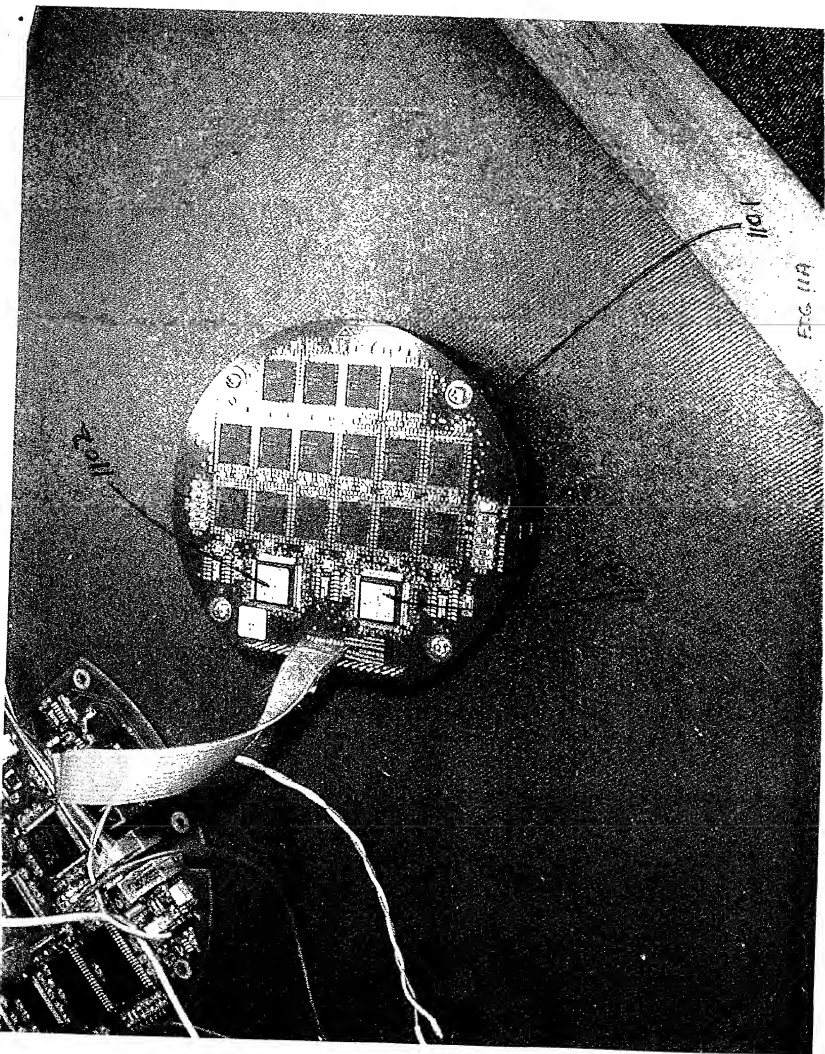


FIG. 11A

## HVR Web Interface

Home

Network Setup

Flash Setup

Sys Maintenance

Sys Information

Set Password

HVR Interface

The HVR Solid State Recorder utilizes proven aircraft technology to provide storage capacity exceeding 12 hours of radar, sensor, and audio data. The final recording medium is stored in a protective capsule within the HVR that is fitted with an Underwater Locator Beacon (ULB) to aid in locating the recorder in the event of a catastrophic incident. The HVR will be located in the vicinity of the bridge on the external deck area of a vessel so as to maximize the probability of its survival and recovery following an incident.

The HVR is designed to meet or exceed the following IEC test specifications:

- F Shock - 11 millisecond duration or 50g
- F Penetration - 3m, 250 kg drop test
- F Fire - 1100 C for 1 hour / 260 C for 10 hours
- F Deep Sea Immersion - 30 days at 6,000m of depth

F 16. 12

## Login Screen

Home

Network Setup

Flash Setup

Sys Maintenance

Sys Information

Set Password

HVR Interface

Administrator Access

Enter  
Password:

Submit

FIG. 13

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Home

Network Setup

Flash Setup

Sys Maintenance

Sys Information

Set Password

HVR Interface

Network Setup

Parameter	Current Value	New Value
HVR IP Address	192.168.0.2	<input type="text"/>
HVR Subnet Mask	255.255.255.0	<input type="text"/>
Default Gateway IP	192.168.0.1	<input type="text"/>
Session Time-out (Seconds)	300 seconds	<input type="text"/>

Submit

FIG. 14

## Update Devices

Home

### HVR Memory Partition Configuration

Network Setup

Total Devices in Crash Module 96

Flash Setup

Number of Bytes Per Device 16777216

Currently Unassigned Devices 0

Sys Maintenance

### Update Device Allocations and Stream Names

Sys Information

Position	Devices	Devices	Stream Name	Stream Name
0	16	<input type="text"/>	Stream_0	<input type="text"/>
1	16	<input type="text"/>	Stream_1	<input type="text"/>
2	16	<input type="text"/>	Stream_2	<input type="text"/>
3	16	<input type="text"/>	Stream_3	<input type="text"/>
4	16	<input type="text"/>	Stream_4	<input type="text"/>
5	16	<input type="text"/>	Stream_5	<input type="text"/>
6	0	<input type="text"/>	Stream_6	<input type="text"/>
7	0	<input type="text"/>	Stream_7	<input type="text"/>
8	0	<input type="text"/>	Stream_8	<input type="text"/>
9	0	<input type="text"/>	Stream_9	<input type="text"/>

Set Password

HVR Interface

Submit Changes

FIG. 15

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